



MEA-GNSS-CM-FAKRA

GNSS CONNECTOR MOUNT ANTENNA

Part #: 100-00241-01

Description

The MEA-GNSS-CM-FAKRA is a multi-frequency, high accuracy, GNSS antenna for the entire L1 GNSS band (GPS, GLONASS, Galileo, BeiDou, QZSS). The antenna's excellent radiation pattern, exceptional robustness ensures optimal performance of GNSS systems. It features an integrated Fakra-C-Blue-Female connector. This antenna is ideal for robotics, automotive, UAV, industrial and IOT applications.

Electrical Specifications

Parameter	Specification		
Standards	BeiDou	GPS/QZSS/ Galileo	GLONASS
Band (MHz)	1561	1575	1602
Frequency (MHz)	1561.098	1575.42	1598-1606
Return Loss (dB)	~ -14.8	~ -17.3	~ -23.3
VSWR	~ 1.4:1	~ 1.3:1	~ 1.1:1
Efficiency (%)	~ 75.3	~ 75.1	~ 77.5
Peak Gain (dBi)	~ 3.5	~ 3.3	~ 3.9
Average Gain (dB)	~ -1.3	~ -1.2	~ -1.1
Impedance (Ω)	50		
Polarization	Linear		
Radiation Pattern	Omin-Directional		
Max Input Power (W)	25		
Connector Type	Fakra-C-Blue-Female		

Mechanical and Environmental Specifications

Parameter	Specification
Mounting Type	Connector Mount
Dimensions (mm)	81 x 14 x 10
Weight (g)	99
Radome Type	POM
Radome Color	Black
Operating Temperature (C)	-40 to +85°
Storage Temperature (C)	-40 to +85°
Substance Compliance	RoHS



Features

- GPS/GLONASS/BeiDou/QZSS/Galileo
- Easy mounting: connector mount
- Low profile
- High efficiency
- Hinged connector
- Fakra-C-Blue connector
- Dimensions 81 × 14 × 10 mm

Applications

- Tracking and mapping
- Autonomous vehicles
- Navigation systems
- Smart tracking devices
- Automotive applications

Antenna Measurement Conditions:

Mounted on metal plate of 83 x 40 cm
Measured in certified CTIA 3D anaechoic chamber

Radiation Performance

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